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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/913,501	08/15/2001	Takanori Yamashita	DAIN:646	9600
25944	7590	07/05/2005	EXAMINER	
OLIFF & BERRIDGE, PLC P.O. BOX 19928 ALEXANDRIA, VA 22320			KRUER, KEVIN R	
			ART UNIT	PAPER NUMBER
			1773	
DATE MAILED: 07/05/2005				

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

09/913,501

Applicant(s)

YAMASHITA ET AL.

Examiner

Kevin R Kruer

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 08 April 2005.  
2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.  
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 89-96,98-102,111 and 112 is/are pending in the application.  
4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.  
5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.  
6) ☒ Claim(s) 89-96,98-102,111 and 112 is/are rejected.  
7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.  
8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.  
10) ☒ The drawing(s) filed on 15 August 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☒ All b) ☐ Some \* c) ☐ None of:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  
\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)  
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)  
3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.  
4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.  
5) ☐ Notice of Informal Patent Application (PTO-152)  
6) ☐ Other: \_\_\_\_\_.

**DETAILED ACTION**

***Claim Rejections - 35 USC § 103***

1. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.
2. Claims 89, 100, and 112 are rejected under 35 U.S.C. 103(a) as being unpatentable over Chow et al (US 5,134,046) in view of Steele et al (US 5,242,714), Fitko et al (US 4,156,672), and Kawahara et al (US 4,828,136) for reasons of record.
3. Claims 90, 95, 100, and 111 are rejected under 35 U.S.C. 103(a) as being unpatentable over Chow et al (US 5,134,046) in view of Steele et al (US 5,242,714), Koike (US 4,664,994), Fitko et al (US 4,156,672), and Kawahara et al (US 4,828,136) for reasons of record.
4. Claims 101 and 102 are rejected under 35 U.S.C. 103(a) as being unpatentable over Chow et al (US 5,134,046) in view of Steele et al (US 5,242,714), Koike (US 4,664,994), Fitko et al (US 4,156,672), and Kawahara et al (US 4,828,136), as applied to claims above, and further in view of Kiriazis (US 6,083,336) for reasons of record.
5. Claims 91, 92, and 96 are rejected under 35 U.S.C. 103(a) as being unpatentable over Chow et al (US 5,134,046) in view of Steele et al (US 5,242,714), Koike (US 4,664,994), Aoyama et al (US 4,597,818), and Kawahara et al (US 4,828,136) for reasons of record.
6. Claims 93, 94, 98, and 99 are rejected under 35 U.S.C. 103(a) as being unpatentable over Chow et al (US 5,134,046) in view of Steele et al (US 5,242,714), JP

75037688B (herein referred to as Sanyo), Fitko et al (US 4,156,672), and Kawahara et al (US 4,828,136) for reasons of record.

***Response to Arguments***

Applicant's arguments filed April 8, 2005 have been fully considered but they are not persuasive.

Applicant argues unexpected results with regards to how the laminate sheet is formed. In support of their argument, Applicant points to the disclosure on page 44, lines 2-11, of the specification. Said statement is considered to be non-persuasive because applicant has failed to compare the claimed laminate to the closest prior art, which also heats the conversion coating and adhesive.

Applicant further argues Kawahara fails to teach or suggest that the produced laminate plate formed by cooling the adhesive resin is heated so that the adhesive layer is heated at a temperature not lower than its softening point. While the examiner concedes the reference does not explicitly teach said limitation, the examiner maintains the position that said limitation is implicitly taught. Specifically, the layers would not adhere if the adhesive were not heated at a temperature not lower than its softening point.

Thus, Applicant's arguments are not persuasive.

***Conclusion***

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP

§ 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kevin R Kruer whose telephone number is 571-272-1510. The examiner can normally be reached on Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Carol Chaney can be reached on 571-272-1284. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

A handwritten signature in black ink, appearing to read 'K-R Kruer'.

Kevin R. Kruer  
Patent Examiner-Art Unit 1773